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PATENT

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Alexandr Mikhailovich DEREVYAGIN, et al.

Serial No.: 10/528,331

Group No.: 2859

Filed: May 25, 2004

Examiner: M. Jagan

For: DEW POINT MEASUREMENT METHOD AND DEVICE FOR CARRYING
OUT SAID METHOD

Attorney Docket No.: U 015623-3

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL OF AFFIDAVIT/DECLARATION
TRAVERSING GROUNDS OF REJECTION

Respectfully submitted,

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Alexandr Mikhailovich DEREVYAGIN, et al.

Serial No.: 19.527m331

Group No.: 2859

Filed: May 25, 2004

Examiner: M. Jagan

For: DEW POINT MEASUREMENT METHOD AND DEVICE FOR CARRYING OUT SAID METHOD

In response to Patent Office Action dated
June 26, 2006
(if applicable)

Attorney Docket No.: U 015623-3

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

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AFFIDAVIT/DECLARATION TRAVERSING GROUNDS OF REJECTION

I, Istomin Vladimir A., a Moscow R F citizen residing at

(name of declarant)
123-58, Talliskaya 17-4-362, declare:
address

That I graduated from Moscow State University with a degree of Master in

1920 73 2

That I received a degree of Doctor of Philosophy (Ph.D) regarding research on Physical Chemistry from

Moscow State University in 1920 77

That I have been employed by VNIICAZ since 1920 77 and, since 1920 now hold

~~have held and now hold~~ the position of Chief Scientist. Also I have been employed by Moscow Physical and technical Institute since 1999 and now hold a position of professor

That I am not interested in the above application as an ☒ inventor, ☐ employee

of the assignee, etc.

That I have read and understood the specification of the above application;

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That in order to prove that Bruster angle of this application differs from the angle in the cited ref. N5052818 I conducted the following experiment: in accordance with fig. 2 attached to the specification of the present application.

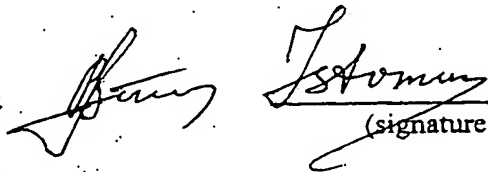
The dielectric plate was illuminated with the light source being polarized parallel to the plane of its incidence at the angle α - Bruster angle. An analysis shows that when $\alpha = \arctg(n_2/n_1)$ - the reflected signal at a photoreceiver is practically absent.

From the above result,

When angle α differs from Bruster angle by more than $\pm 9^\circ$ the intensity of light does not allow to register a moment of appearing a condensate.

That all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: 25.10.2006


(signature of Declarant)